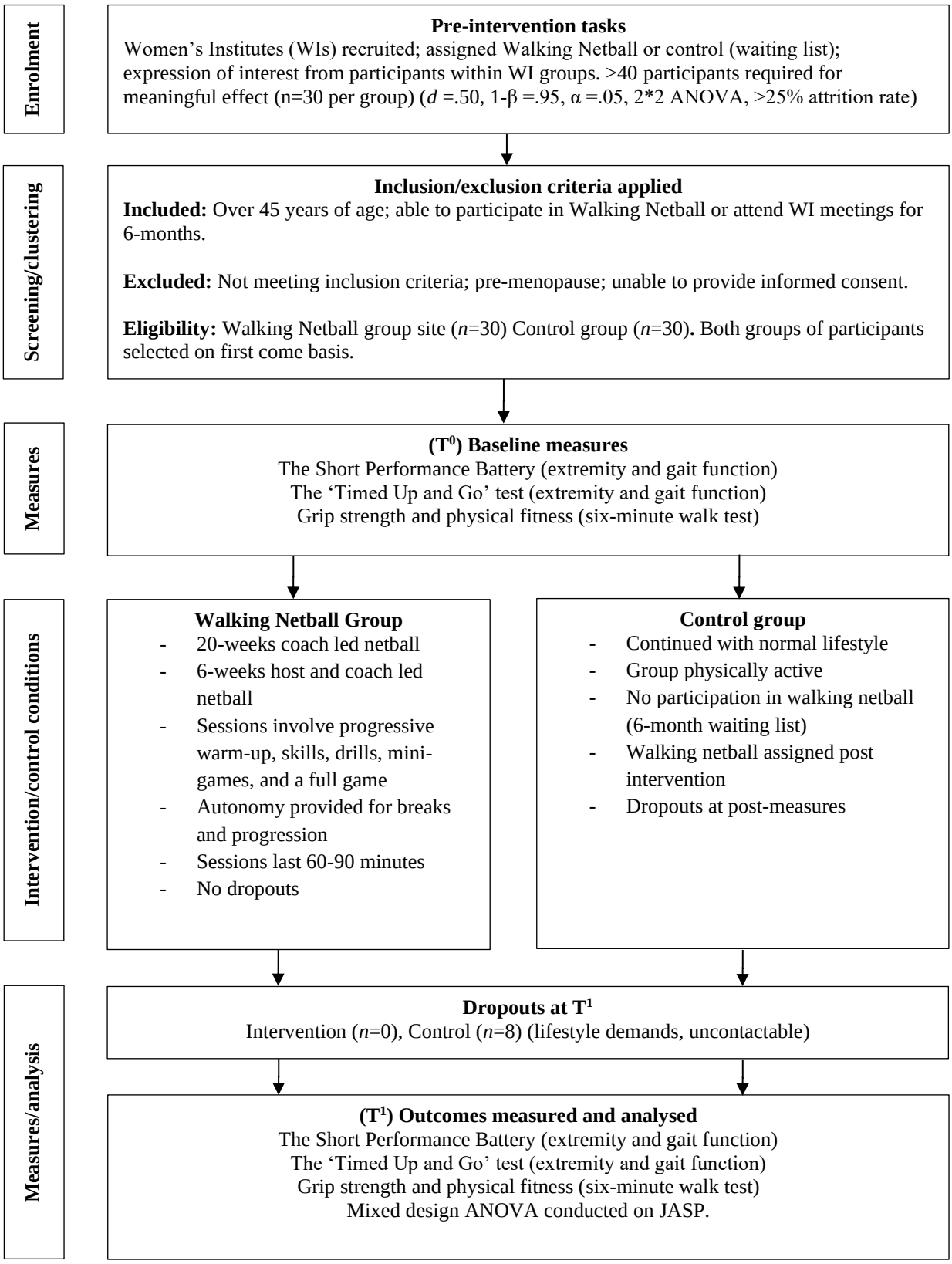Additional File 2: Schematic overview of the quasi-experimental study